STIC Search Report
Biotech-Chem Library

STIC Database Tracking Number: 123866

TO: David Lukton
Location: rem/3b75/3c70
Art Unit: 1653
June 4, 2004

Case Serial Number: 10/002698

From: P. Sheppard
Location: Remsen Building
Phone: (571) 272-2529

sheppard@uspto.gov

Search Notes

193866

SEARCH REQUEST FORM
(STIC)

Requestor's Name: David Lukton Examiner number: 71263 Date: 06-04-04

Art Unit: 1653 Phone number: 571-272-0952 Serial Number: 10-002 698

Mail Box: 3-C-70 Examiner Rm: 3-B-75 Results format: paper

****

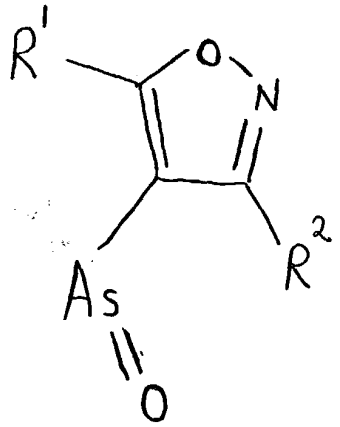
Title of Invention: INHIBITION OF CELL SURFACE PROTEIN DISULFIDE ISOMERASE

Applicants: ROGELJ, SNEZNA; SKLAR, LARRY A.; PALMER, ROBERT B.

Earliest Priority Date: 5/14/97

* * *

I would like to find examples of the following compounds, wherein R^1 and R^2 can be anything, but at least one of R^1 and R^2 is a substituent other than hydrogen. ("As" represents an atom of arsenic).



STAFF USE ONLY Type of Search Vendors and cost where applicable

Searcher: _____ NA Sequence (#)_____ STN

```
=> fil hcaplus
FILE 'HCAPLUS' ENTERED AT 13:37:15 ON 04 JUN 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```

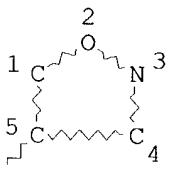


```
FILE COVERS 1907 - 4 Jun 2004  VOL 140 ISS 24
FILE LAST UPDATED: 3 Jun 2004  (20040603/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


=>
=>

=> d stat que
L7                STR
```




```
6 As

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   6

STEREO ATTRIBUTES: NONE
L9             1 SEA FILE=REGISTRY SSS FUL L7
L14            1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L9


=>
=>

=> d ibib abs hitst
'HITST' IS NOT A VALID FORMAT FOR FILE 'HCAPLUS'
ENTER DISPLAY FORMAT (BIB):end

=> d ibib abs hitstr

L14  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         1998:764276  HCAPLUS
DOCUMENT NUMBER:          130:10612
```

TITLE: Inhibition of cell surface protein disulfide isomerase
INVENTOR(S): Rogelj, Snezna; Sklar, Larry A.
PATENT ASSIGNEE(S): The University of New Mexico, USA
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9851297	A1	19981119	WO 1998-US9795	19980514
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 981344	A1	20000301	EP 1998-921188	19980514
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 2002115713	A1	20020822	US 2001-2698	20011205

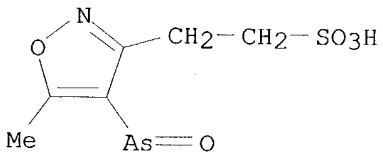
PRIORITY APPLN. INFO.: US 1997-46487P P 19970514
WO 1998-US9795 W 19980514
US 1999-424181 A3 19991110

OTHER SOURCE(S): MARPAT 130:10612

AB The invention provides anti-thiol reagents which inhibit enzyme activity of cell-assocd. protein disulfide isomerase (PDI) by oxidizing or blocking PDI active site vicinal thiol groups which normally participate in disulfide bond rearrangement of PDI substrates. Inhibition of this PDI function is particularly useful in blocking PDI-mediated entry of HIV or other virions into a host cell. The invention further provides an assay for the identification of such PDI inhibitors based on the discovery that inhibitors of the invention also induce shedding of the leukocyte L-selectin adhesion mol.

IT **216162-85-5**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(inhibition of cell surface protein disulfide isomerase (PDI) and PDI-mediated HIV entry into host cells)

RN 216162-85-5 HCAPLUS
CN 3-Isoxazoleethanesulfonic acid, 4-arsenoso-5-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT